







sPHENIX general meeting: news

Dave Morrison (BNL), Gunther Roland (MIT) – co-spokespersons

Today's plan

Friday, 8 April 2016

12:00 - 12:20	sPHENIX News 20'	▼
	Speakers: Dr. David Morrison (BNL), Prof. Gunther Roland (MIT)	
12:20 - 12:25	JETSCAPE collaboration 5'	▼
	Speaker: Prof. Gunther Roland (MIT)	
	Material: Slides 	
12:25 - 12:45	sPHENIX Project update 20'	▼
	Speaker: John Haggerty (Brookhaven National Laboratory)	
	Material: Slides 	
12:45 - 13:25	MAPS workfest report 40'	▼
	Speaker: Dr. Michael McCumber (Los Alamos National Laboratory)	
	Material: Slides 	
13:25 - 14:05	ALD charge to sPHENIX: How do we organize response? 40'	▼
	Speakers: Dr. David Morrison (BNL), Prof. Gunther Roland (MIT)	
	Material: Slides 	

Topical groups

- Following a very useful discussion in the collaboration, settled on three focused topical groups. Received suggestions and volunteers for conveners, asked EC for their advice.
- **Jet structure:** Rosi Reed (Lehigh), Dennis Perepelitsa (BNL)
- **Heavy-flavor tagged jets:** Jin Huang (BNL), Mike McCumber (LANL)
- **Upsilon spectroscopy:** Tony Frawley (FSU), Marzia Rosati (ISU)
- First – thanks! Second – more on this in Gunther's talk.

Speaking of the EC ...

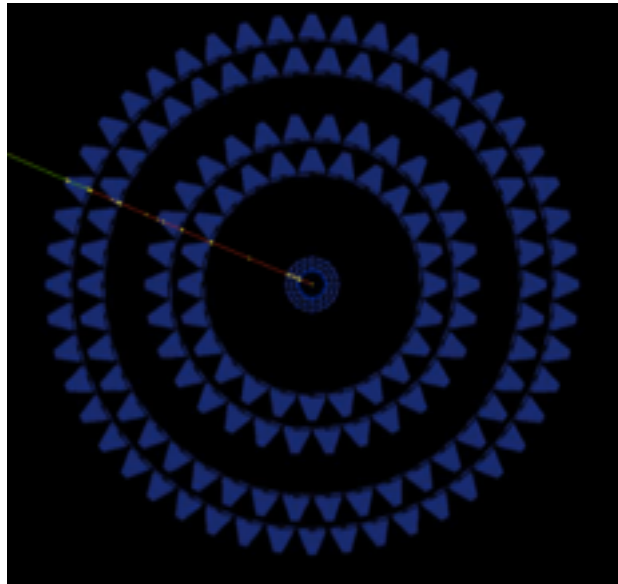
- Six elected members of the EC: Megan Connors, Sarah Campbell, Tom Hemmick, John Lajoie, Anne Sickles, Bill Zajc
- Ex-officio members: Dave, Gunther, Ed O'Brien
- We've talked with six people about their willingness to be appointed and serve on EC. Should have all answers by April 13. Would need to have those appointments confirmed by IB vote.

Recent and upcoming collaboration events

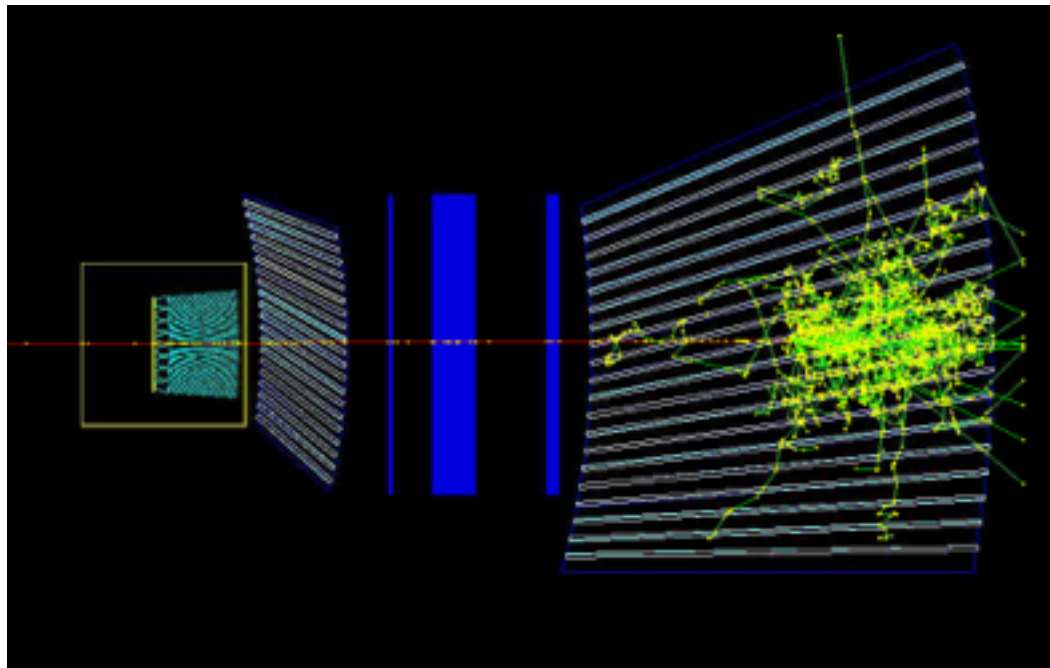
- sPHENIX MAPS Cost and Schedule Workfest in Santa Fe (March 31–April 1), web page: <https://indico.bnl.gov/conferenceDisplay.py?confId=1741>
 - more about this in Mike McCumber's talk
- calorimeter test beam at FNAL (April 6–May 3)
 - more about this in John Haggerty's talk
- sPHENIX collaboration meeting at BNL (May 18–20)

Recent software highlights

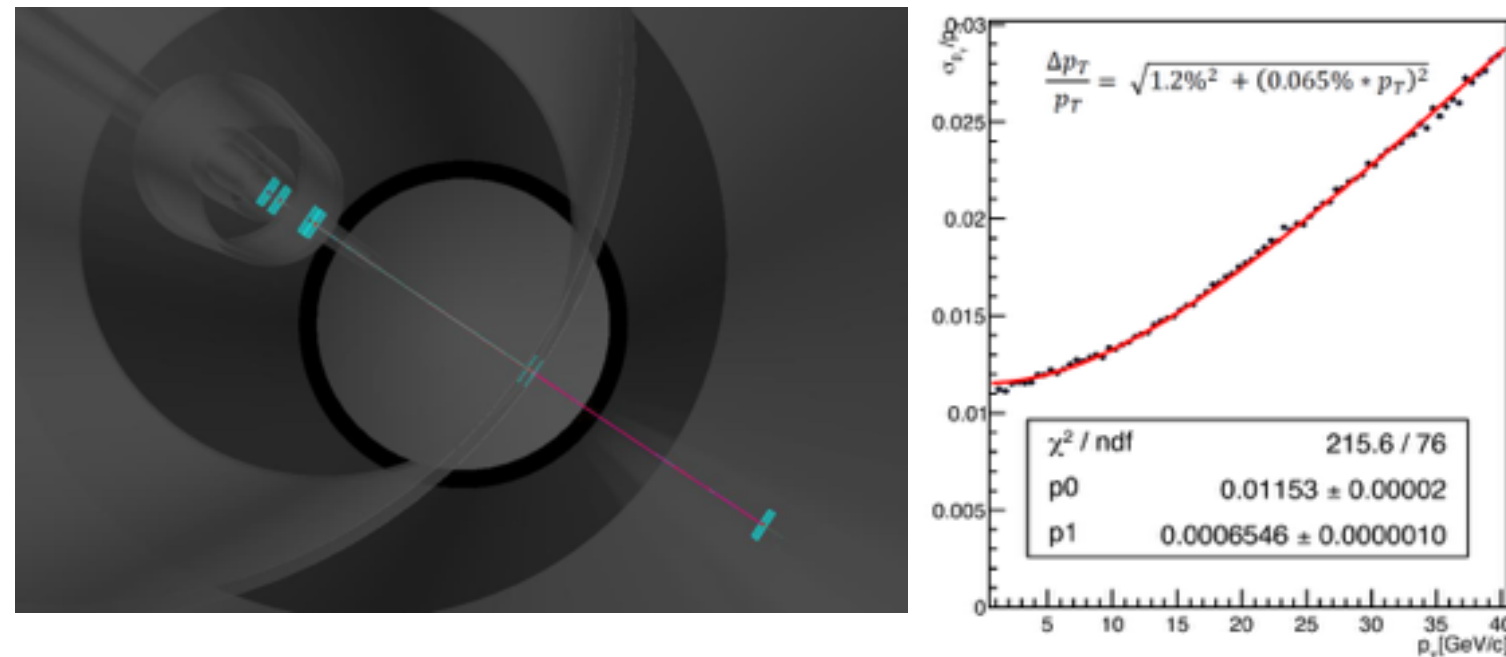
ALICE ITS importing to sPHENIX (T. Frawley et. al.)



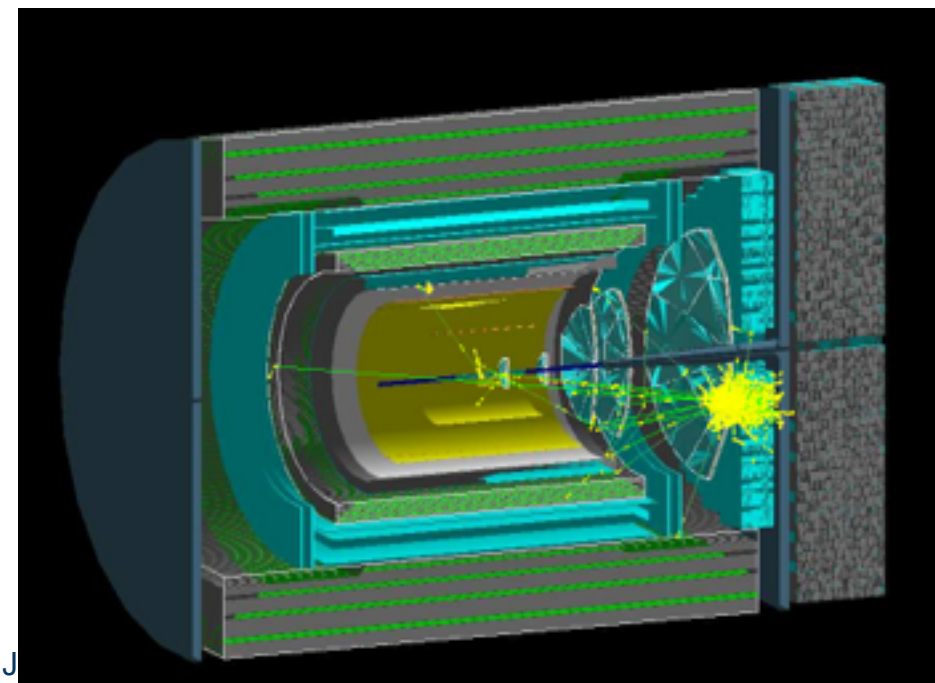
Test beam simulation and studies (C. Pinkenburg, M. Sarsour, J. Huang)



Implementing Generic Kalman Filtering (H.W. Yu)

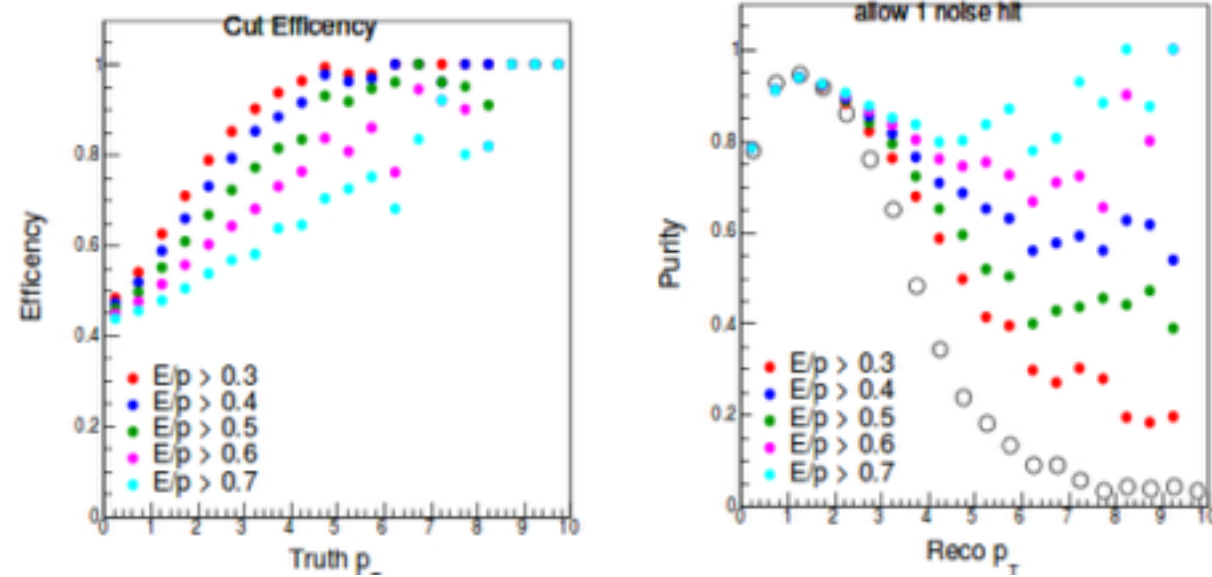


Update on forward instrumentation simulations (J. Lajoie)

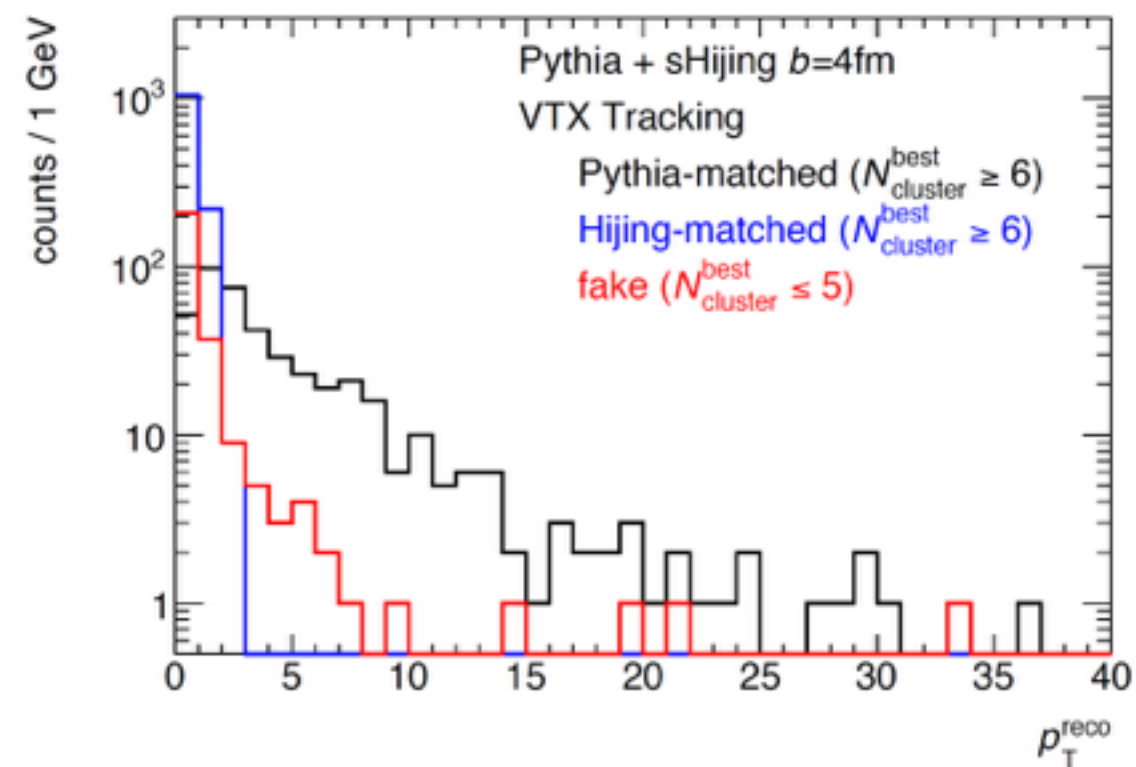


On-going study highlights

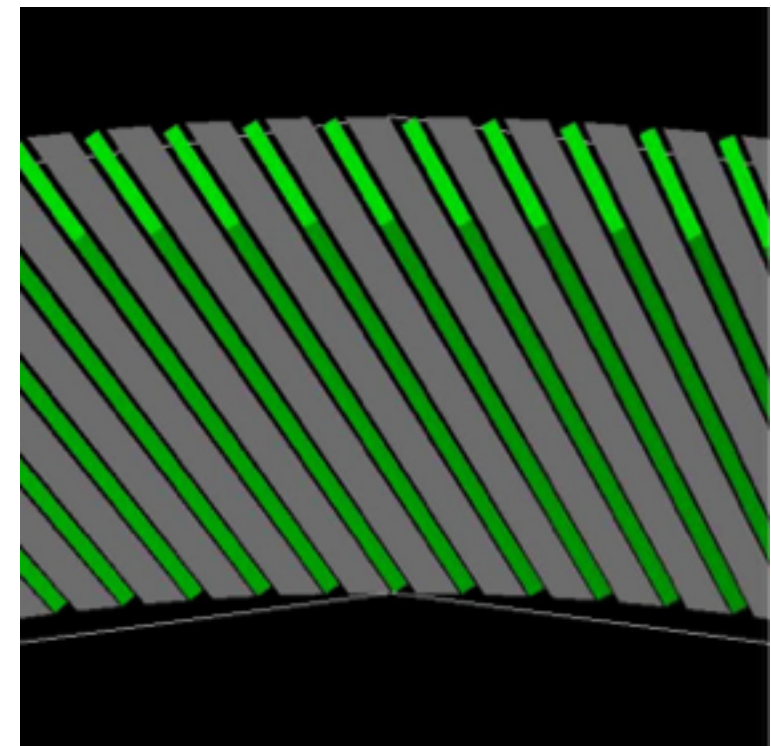
Tracking G4 + fast calorimeter sim
(R. Belmont, K. Hill)



Jet substructure in G4
(D. Perepelitsa)



Try out flat plat for inner Hcal in Geant4
(J. Lajoie)







“An army marches on its stomach.”
– Napoleon Bonaparte

“Mmm. Food.”
– all sPHENIX co-spokespeople, ever

sPHENIX talks

- For now, Gunther and Dave distributing talks – will change when a talks committee is established. Speaker nominations are very welcome.
- RBRC workshop (April 12–15, 2016) (GR)
- IS'2016 (May 23–25, 2016) (DPM)
- **RHIC/AGS Users' Meeting (June 7–10, 2016)**
- SQM'16 (June 27–July 1, 2016) (Rosi Reed)
- **ICHEP (August 3–10, 2016)**

Collaboration engagement

- Gunther and I have been in some discussions with groups about their physics and detector interests. This is a good thing. We will reach out to groups, and we encourage groups to get in touch with us, to have such conversations.
- University groups are looking to see how students and postdocs might do work on sPHENIX, especially with summer approaching. Ed O'Brien will be updating a list of possibilities and we'll get that distributed.
- We particularly encourage students and postdocs to call in to the Tuesday sPHENIX simulation meeting at 1pm ET.
- So far the participation in the bi-weekly meeting has been excellent. If people have ideas for improving it, please let us know.